Original/Duplicate/Triplicate
CONTRACT CERTIFICATE

SBK-14/2017-18

(For Other Works)

Bill Type. ***First & Final***

Date...../...../2018

Division: **BBMP, Byatarayanapura** Sub-Division: **BBMP, Byatarayanapura**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....

Sub Divisional Work Code: **006-16-000017**

Schedule Docket No. Head of Account: P-3110 Est.Cost: **25.00 Lakhs** D.R.No. :

Name of Work (as per sanctioned estimate): **Development of works for Providing Drinking Water Facility in Thanisandra Ward No. 06.**

Name of Contractor and Full Address : *M/s Executive Engineer, KRIDL, No. 280, 59th Cross, 17th C Main, 3rd Y Block, Rajajinagara, Bangalore-560010*

Reference to Agreement No. **BBMP/EE/BTP/WO/253/2016-17** Date: **30.03.2017**

Certified that the measurements were taken by me on 30/06 and recorded of Pages. **352001-352025** of measurement Book No. **3521/2016-17** and that the work is satisfactorily executed.

Contractor

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL BBMP, Bangalore

Officer-in-charge of work

Certified that the measurement were taken by me on 30/6/2018 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer 30/6/2018

II Memorandum of Payment

1)	Total value of work done or supplies made as per account within	
2)	Deduct amount to be held in reserve being .....percent Rs.....	
3)	" Balance	
4)	Deduct Payment:	
	a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Total Amount adjusted towards cash advance recovery of	24,32,384-00
	b) Payments Now made } cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	IT - 48648-00 CW - 24324-00 CBF - 2432-00 Fine - 6750-00 FSD - 121619-00
5)	Balance being unpaid value of work done held in reserve.	
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	
7)	Net amount due to or from Contractor unadjustments items.	Adjn. 2,03,773-00
8)	Advance to Contractor for materials brought to site (as detailed) within.	
9)	Value of Government materials supplied.	Cheque: 22,28,611-00
	Total amount adjusted -	

Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands) (For use in the Office)

Witness

1.

2.

Stamp

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL BBMP, Bangalore

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL BBMP, Bangalore

Bill Rs. 24,32,384-00
Adjn. Rs. 2,03,773-00
Cheque Rs. 22,28,611-00
Rs: Twenty two lakh twenty eight thousand six hundred eleven only.

Initials of Officer making payment

Executive Engineer 23/7

Sl. No.	Descriptions	Unit
1	Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand pump, MWS or P.W.S.S. by vertical electrical sounding by adopting venner or schlumbergers's method, including reconnaissance survey of geological formation, Geological investigation of existing ground water in vicinity, its quality, quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 mtr in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc	Each BW
2	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc 0 to 50 m	Rmtr
3	50 to 100 m	Rmtr
4	100 to 150 m	Rmtr
5	150 to 200 m	Rmtr
6	200 to 250 m	Rmtr
7	Supplying of ISI Mark 175 mm nominal bore medium black ERW casing pipe of 5mm thick black electric resistance continous welded midle steel tube material confirming to IS 1387/!993 and manufactured from hot rolled steel skelp/stripes in random length of 4 to 7 mtr both ends threaded confirming to IS 554/1985 one end(including of all taxes)	Rmtr
8	Providing and fixing 250mm dia PVC pipe and as per specification and directions. (BWSSB SR 13-14, P.No.53 I.no.1 of sl.no.11.)	Rmtr
9	175 mm dia M.S. Casing cap (P.NO-III, I.NO-85, PRED 12-13 SR)	Each
10	Providing and fixing clampset and borewell cap to the pump	No.
11	Providing and 175MM Dia MS Cooer etc as per specification and direction engineer in charge of the work	No
12	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 15.000 HP 25 stage (P.NO-XXXXIII, I.NO-33, PWD SR 16-17)	No
13	Providing, laying & jointing GI pipes confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per direction including all lead & lift etc,. complete 'A' grade(excluding cost of fittings)b50mm dia GI pipe (SR 16-17 PWD, P.No.XVII Sl.no. 509)	Rmtr
14	Supplying and drawing 3 core PVC Sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS: 8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 volts 4 sqmm of 56 strands 0.3mm dia (P.NO-535, I.NO-30 (c), BWSSB 12-13 SR)	Mtr
15	Heavy duty collars 50mm dia	Nos
16	Erection of Pumpset including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair supportin clamps one borewell cap. Cable clips with bolts nuts valves guages etc,. Involoved in the job (necesssary GI pipe and specials with be supplied by the board at the site free of cost) as per rate approved KUWS & DB for year 2008-09	Mtrs
17	Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc., **P No. 44 / I No. 6.6.6 KPWD Electrical SR 2014-15**	Each
18	Supplying of 1.1 KV LTUG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A **P No. 55/ I No. 7.4.4 4 core 16 Sqmm KPWD Electrical SR 2014-15**	Mtr

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
-	-	4	1938.46	7753.84	4.00	7753.84	
-	-	200.00	315.18	63036.00	200.00	63036.00	
-	-	200.00	412.00	82400.00	200.00	82400.00	
-	-	200.00	458.35	91670.00	200.00	91670.00	
-	-	200.00	484.10	96820.00	200.00	96820.00	
-	-	198.00	560.32	110943.36	198.00	110943.36	
-	-	160.00	1325.00	212000.00	160.00	212000.00	
-	-	80.00	1133.00	90640.00	80.00	90640.00	
-	-	4	100.00	400.00	4.00	400.00	
-	-	4	450.00	1800.00	4.00	1800.00	
-	-	60	150.00	9000.00	60.00	9000.00	
-	-	4.00	70600.00	282400.00	4.00	282400.00	
-	-	1100.00	431.00	474100.00	1100.00	474100.00	
-	-	2320.00	188.70	437784.00	2320.00	437784.00	
-	-	184.00	150.00	27600.00	184.00	27600.00	
-	-	4.00	3000.00	12000.00	4.00	12000.00	
-	-	4.00	302.00	1208.00	4.00	1208.00	
-	-	120.00	140.04 40	16804.80 16848	120.00	16804.80 16848	

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19	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct. **P No. 61 / I No. 7.8.1 6Sqmm to 16 Sqmm) KPWD Electrical SR 2014-15**	Mtr
20	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) **P No. 61 / I. No. 7.9.3 KPWD Electrical SR 2014-15**	Mtr
21	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV **P. No. 62 / I No. 7.12.1 KPWD Electrical SR 2014-15**	Mtr
22	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc., **P. No. 62 / I.No. 7.13.2 KPWD Electrical SR 2014-15**	No.
23	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia, **(P No. 55, I No. 7.1) KPWD Electrical SR 2014-15**	No
24	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.**P No. 44 / I No. 6.7.2 KPWD Electrical SR 2014-15**	No.
25	KSRB 13-7.1-4: Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications NO KBS 13.2.16 / 13.13 **Page No. 90 Item No. 13.55 / PWD SR 2016-17**	Nos
26	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete 50 mm dia. **P. No. 92 / I. No. 13.81.3 PWD SR 2016-17**	No
27	Supplying and fixing 50mm dia GI X nipple with ISI mark with all lead and lift loading unloading and labour charges etc complete	No
28	Supplying shunt capaitors conforming to IS 2834, 3phase 400/440 volts grade for power factor improvement of rotating machinery, Capacitor in KVAR rating Nos. 2KVAR capacity with all lead and lift =, loading, unloading and labour charges etc complete as per specifications	No
29	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. **5-32Amps TPN P No. 47 / I No.6.16.5 KPWD SR 2014-15**	No
30	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete **P.No. 49, I. No. 6.40.2 KPWD Electrical SR 2014-15**	Sq.Cm
31	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 600x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided. the combined energy meter cum- control panel board unit suitable for operation. The panel board shall be fabricated on single unit in the above components for suitable pumpset. **12.5HP to 15 HP Star Delta Starter SERDED Rate**	No.
32	Earthwork excavation for pipeline trenches including deporiting or bank up to a lead of 50 mtrs including shiriry and statting danger lighting and using site rails and boming poles at every 100 mtrs wherever necessary as directed in th following strructure manhole. **Page No. 01/ Item No.1.2.2 / PRED SR 2012-13 Hard Soil**	Cum
33	Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and incluidng lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth avalabile from the execavation Etc., **Page No.15 item No.3.4.2 b PRED SR 2012-13.**	Rmtr
34	Refilling the basement and pipeline treanches with secleted available earthe for trench excavation including authority condition in layers from thedi including disponsary of the sunplus earth with a heavy 200 mtrs **Page No. 3 / Item No. 1.6 / PRED SR 2012-13**	Cum
35	KSRB 13.6.3-6 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) **50mm** nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6/13.3 **P. 92 / I.13.37 PWD SR 2016-17**	Each

		120.00	10.80	1296.00	120.00	1296.00	
		100.00	85.00	8500.00	100.00	8500.00	
		16.00	345.00	5520.00	16.00	5520.00	
		4.00	280.00	1120.00	4.00	1120.00	
		4.00	2727.00	10908.00	4.00	10908.00	
		24.00	234.00	5616.00	24.00	5616.00	
		4.00	1579.40	6317.60	4.00	6317.60	
		4.00	227.90	911.60	4.00	911.60	
		8.00	104.30	834.40	8.00	834.40	
		4.00	1486.00	5944.00	4.00	5944.00	
		4.00	1547.00	6188.00	4.00	6188.00	
		93600.00	0.34	31824.00	93600.00	31824.00	
		4.00	11000.00	44000.00	4.00	44000.00	
		16.00	283.02	4528.32	16.00	4528.32	
		40.00	161.71	6468.40	40.00	6468.40	
		16.00	76.32	1221.12	16.00	1221.12	
		10.00	2120.00	21200.00	10.00	21200.00	

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36	Refilling the basement and pipeline treanches with secleted available earthe for trench excavation including authority condition in layers from thedi including disponsary of the sunplus earth with a heavy 200 mtrs **Page No. 3 / Item No. 1.6 / PRED SR 2012-13**	Cum
37	Providing and fixing 50mm dia gun metal wheel valuve conforming to IS Specification of approved make as per directions including all lead and lift etc., complete 50mm PRED	No
	Grand Total	
	Add 8% KRIDL Charges	
	Add 1% Labour Cess	
	Net Total	

CERTIFICATE

1. Certified that the above work done satisfactory and no materials issued from departmentally.

		160.75	76.32	12268.44	160.75	12268.44	
		24.00	1605.00	38520.00	24.00	38520.00	
				2231545.88		**2231545.88**	
				178524.00		178524.00	
				22315.00		22315.00	
				2432384.88		**2432384.88**	

Assistant Engineer
KRIDL BBMP
Bangalore

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